

CLAIMS

What is Claimed is:

5           1.     A composition comprising a triggerable cationic  
polymer, wherein the composition is triggerable.

10           2.     A composition comprising a triggerable cationic  
polymer, wherein the polymer formulation is insoluble in a  
solution containing a sufficient amount of an insolublizing agent  
and is dispersible in water containing up to about 500 ppm of one  
or more multivalent ions.

15           3.     A composition comprising a triggerable cationic  
polymer, wherein the polymer formulation is insoluble in an  
aqueous solution containing at least about 0.5 weight percent of an  
insolublizing agent and is dispersible in water containing up to  
about 500 ppm of one or more multivalent ions.

20           4.     A composition comprising a triggerable cationic  
polymer, wherein the polymer formulation is insoluble in a neutral  
salt solution containing at least about 2 weight percent salt; and  
wherein the polymer formulation is soluble in water containing up  
to about 500 ppm of one or more multivalent ions.

25           5.     A composition comprising a triggerable cationic  
polymer, wherein the polymer formulation has wet strength in a  
neutral salt solution containing at least about 2 weight percent salt;  
and wherein the polymer formulation is dispersible in hard or soft  
30     water.

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6. A composition comprising a triggerable cationic polymer, wherein the polymer formulation is insoluble in water that contains a sufficient amount of an insoubilizing agent; and wherein the polymer formulation is soluble in water containing an insufficient amount of an insolubilizing agent.

7. A binder composition for binding fibrous material into an integral web, said binder composition comprising the composition of Claim 1.

8. A nonwoven fabric comprising fibrous material and a binder material, said binder material comprising the composition of Claim 1.

9. A fibrous substrate comprising:  
fibrous material; and  
a binder composition for binding said fibrous material into an integral web, said binder composition comprising a triggerable cationic polymer.

10. A water-dispersible article comprising the fibrous substrate of Claim 9.

11. A wet wipe comprising:  
a fibrous material;  
a binder composition for binding said fibrous material into an integral web, said binder composition comprising a triggerable cationic polymer; and  
said fibrous material being wetted by a wetting solution containing at least about 2 weight percent salt.

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12. A method of making a wet wipe comprising:  
forming a substrate of fibrous material;  
applying to said substrate a binder composition for said  
fibrous material comprising a triggerable cationic polymer; and  
5 applying to said substrate a wetting solution containing a  
sufficient amount of an insolublizing agent such that said polymer  
is insoluble in said wetting solution.

13. A method of making a wet wipe comprising:  
10 forming a substrate of fibrous material;  
applying to said substrate a binder composition for said  
fibrous material comprising a triggerable cationic polymer; and  
applying to said substrate a wetting solution  
15 containing at least about 2 weight percent salt.

14. A method comprising applying to a substrate of  
fibrous material a binder composition for said fibrous material  
comprising a triggerable cationic polymer.

20 15. A composition comprising a triggerable cationic  
polymer, wherein the polymer formulation has wet strength in an  
aqueous solution containing at least about 0.5 weight percent of an  
insolublizing agent; and wherein the polymer formulation is  
dispersible in hard or soft water.

25 16. A composition comprising a triggerable cationic  
polymer, wherein the polymer formulation has wet strength in an  
aqueous solution independent of the pH of said aqueous solution,  
said aqueous solution containing at least about 0.5 weight percent  
30 of an insolubilizing agent and wherein the polymer formulation is  
dispersible in hard or soft water.

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17. A binder composition for binding fibrous material into an integral web, said binder composition comprising the composition of Claim 15.

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18. A nonwoven fabric comprising fibrous material and a binder material, said binder material comprising the composition of Claim 15.

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19. A wet wipe comprising:  
a fibrous material;  
a binder composition for binding said fibrous material into an integral web, said binder composition comprising a triggerable cationic polymer; and

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said fibrous material being wetted by a wetting solution containing at least about 0.5 weight percent of an insolublizing agent.

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20. A method of making a wet wipe comprising:  
forming a substrate of fibrous material;  
applying to said substrate a binder composition for said fibrous material comprising a triggerable cationic polymer; and  
applying to said substrate a wetting solution containing at least about 0.5 weight percent of an insolublizing agent.

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21. A composition comprising a triggerable cationic polymer, wherein the polymer formulation is insoluble in an aqueous solution containing at least about 0.5 weight percent of a divalent metal salt capable of forming a complex anion.

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